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Title : Evaluation of the Interaction between R 113 and the Materials to be used in the 5 KW Geothermal Pilot Power Plant		Document No. PD MT 8618 Date of issue: March 1986
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Keywords : Geothermal Power Plant, Closed loop organic Rankine cycle, R 113 (Trichlorotrifluoroethane)		
Abstract : <p>The extent to which the refrigerant R 113 can react with or dissolve certain materials is evaluated. This problem arises in NAL's Geothermal Power Plant, where condenser and vapouriser tubes and various gaskets and greases come into contact with R 113. The zinc coating on the condenser and vapourizer tubes reacts with R 113. Methods to remove, and monitor the removal of zinc are discussed. Teflon and <u>genuine</u> neoprene rubber are suitable gasket materials. Simple methods are suggested for periodically monitoring the purity of the R 113. An R 113-compatible grease is yet to be identified.</p> <div style="text-align: center;">  </div> <div style="text-align: right;"> R. 85270 3.9.2001 </div>		